

Rotational isomerism

- See also related: *Excited rotational state*
Rotational isomerism
 See *Internal rotation*
Rotational molding
 Valid heading during volumes 129-130 (July 1998-June 1999) only
 See *Molding of plastics and rubbers, rotational*
Rotational nuclear level
 See also related:
Giant resonance
Nuclear moment of inertia
Rotational state
Rotational potential
 See also narrower: *Rotational barrier*
 See also related:
Rotation
Rotational energy
Rotational spectra
 See also related:
Microwave spectra
Molecular rotation
Optical activity
Rotational transition
Spin-rotation coupling
Rotational state
 See also narrower:
Excited rotational state
Rotational-vibrational state
 See also related:
Molecular rotation
Rotational energy transfer
Rotational nuclear level
Spin-rotation coupling
Rotational transition
 See also narrower:
Rotational excitation
Rotational-vibrational transition
 See also related:
Molecular rotation
Rotational energy transfer
Rotational spectra
Rotational-vibrational excitation
 See also related: *Vibrational excitation*
Rotational-vibrational state
 See also related:
Lambda doubling
Rotational-vibrational transition
Vibrational state
Rotational-vibrational transition
 See also narrower: *Rotational-vibrational excitation*
 See also related:
Rotational-vibrational state
Vibrational transition
Rotatory dispersion
 See *Optical rotatory dispersion*
Rotatory power
 See *Optical activity*
Rotavirus
Rotaxanes
Rotenic acid
 See *5-Benzofuran-2-carboxylic acid, 4-hydroxy-2-(1-methylethyl)-* (526-49-8)
Rotenol
 See *Methanone, [(4R)-3,4-dihydro-6,7-dimethoxy-2H-1-benzopyran-4-yl]-(2R)-2,3-dihydro-4-hydroxy-2-(1-methylethyl)-5-benzofuran-1-yl-* (3276-12-8)
Rotenolol
 See *[1]Benzopyrano[3,4-b]furo[2,3-h]1-benzopyran-6,6a(6H)-diol, 1,2,12,12a-tetrahydro-8,9-dimethoxy-2-(1-methylethyl)-* (6637-34-4)
Rotenolone I
 See *[1]Benzopyrano[3,4-b]furo[2,3-h]1-benzopyran-6(6aH)-one, 1,2,12,12a-tetrahydro-6a-hydroxy-8,9-dimethoxy-2-(1-methylethyl)-*, (2R,6aS,12AR) (509-96-6)
Rotenolone II
 See *[1]Benzopyrano[3,4-b]furo[2,3-h]1-benzopyran-6(6aH)-one, 1,2,12,12a-tetrahydro-6a-hydroxy-8,9-dimethoxy-2-(1-methylethyl)-*, (2R,6aS,12AR) (545-76-6)
Rotenone
 See *[1]Benzopyrano[3,4-b]furo[2,3-h]1-benzopyran-6(6aH)-one, 1,2,12,12a-tetrahydro-8,9-dimethoxy-2-(1-methylethyl)-*, (2R,6aS,12aS) (83-79-4)
 —, 24-chloro-
 See *[1]Benzopyrano[3,4-b]furo[2,3-h]1-benzopyran-6(6aH)-one, 2-[1-(chloromethyl)ethyl]-1,2,12,12a-tetrahydro-8,9-dimethoxy-*, (2R,6aS,12aS) (16401-51-7)
 —, 7,8-didehydro-
 See *[1]Benzopyrano[3,4-b]furo[2,3-h]1-benzopyran-6(12H)-one, 1,2-dihydro-8,9-dimethoxy-2-(1-methylethyl)-*, (2R) (3466-09-9)
β-Rotenone
 See *1H-Bis[1]benzopyrano[3,4-b,6',5'-e]pyran-7,13-dione, 2,3-dihydro-9,10-dimethoxy-3,3-dimethyl-* (4440-77-1)
Rotenone isoxime
 See *4-Benzofuranol, 5-(3a,9b-dihydro-7,8-dimethoxy-4H-[1]benzopyrano[4,3-d]isoxazol-1-yl)-2,3-dihydro-2-(1-methylethyl)-* (6544-83-8)
Rotenonic acid
 See *[1]Benzopyrano[3,4-b]1-benzopyran-12(6H)-one, 6a,12a-dihydro-9-hydroxy-2,3-dimethoxy-8-(3-methyl-2-butenyl)-*, (6aS,12aS) (70191-71-8)
Rotenonone
 See *[1]Benzopyrano[3,4-b]furo[2,3-h]1-benzopyran-6,12-dione, 1,2-dihydro-8,9-dimethoxy-2-(1-methylethyl)-*, (2R) (4439-62-7)
Rotenox
 See *[1]Benzopyrano[3,4-b]furo[2,3-h]1-benzopyran-6(6aH)-one, 1,2,12,12a-tetrahydro-8,9-dimethoxy-2-(1-methylethyl)-*, (2R,6aS,12aS) (83-79-4)
Rotenol
 See *4-Benzofuranol, 2-(1-methylethyl)-* (496-29-7)

- Roter**
 See *Bismuth hydroxide nitrate oxide (Bi₂(OH)₃(NO₃)₂)* (1304-85-4)
Rothin A
 See *Naphthal-1,2-bifuran-2(3H)-one, 3a,4,5,6a,7,8,9b-octahydro-4-hydroxy-5a,9-dimethyl-3-methylene-*, (3aR,4S,5aR,9bS) (33530-72-2)
Rothin B
 See *Naphthal-1,2-bifuran-2(3H)-one, decahydro-4,9a-dihydroxy-5a-methyl-3,9-bis(methylene)-*, (3aR,4S,5aR,9aR,9bS) (33530-73-3)
Rothindin
 See *4H-1-Benzopyran-4-one, 3-(1,3-benzodioxol-5-yl)-7-(β-D-glucopyranosyloxy)-* (63347-43-3)
Rothrocene
 See *Cyclopropane, 1-(1-methylethenyl)-2-(2-methyl-1-propenyl)-*, (1R,2S) (80082-35-6)
Rotifer (Rotifera)
 Studies of rotifers as a group, and of species not further identified, are indexed at this heading. Studies of identified species are indexed at the scientific names
Rotihibin A
 See *L-Aspartamide, N⁵-(aminocarbonyl)-N²-(2Z)-1-oxo-2-decenyl)-D-ornithyl-L-seryl-N⁴-L-allothreonyl-(2S)-2,4-diaminobutanoyl-N¹-(1S)-3-amino-1-(hydroxymethyl)-3-oxopropyl-3-hydroxy-*, (3S) (143552-99-2)
Rotihibin B
 See *L-α-Asparagine, N⁵-(aminocarbonyl)-N²-(2Z)-1-oxo-2-decenyl)-D-ornithyl-L-seryl-N⁴-L-allothreonyl-(2S)-2,4-diaminobutanoyl-N¹-(1S)-3-amino-1-(hydroxymethyl)-3-oxopropyl-3-hydroxy-*, (3S) (143552-99-2)
Rotiorin
 See *2H-Furo[3,2-g][2]benzopyran-2,9(9aH)-dione, 3-acetyl-6-[(1E,3E,5S)-3,5-dimethyl-1,3-heptadienyl]-9a-methyl-*, (9aS) (27781-60-8)
Ro TN 101
 See *Benzoic acid, 4-[(4-butylbenzoyloxy)-2-methyl-4-cyanophenyl ester, mixt. with 4-cyanophenyl 4-butylbenzoate, 4-cyanophenyl 4-hexylbenzoate and 4-cyanophenyl 4-octylbenzoate* (58251-73-3)
Ro TN 200
 See *Benzonitrile, 4-[(E)-[(4-hexylphenyl)methylene]amino]-*, mixt. with 4-[(E)-[(4-propylphenyl)methylene]amino]benzonitrile (58251-74-4)
Ro TN 404
 See *[1,1',4',1''-Terphenyl]-4-carbonitrile, 4''-pentyl-*, mixt. with 4-[5-(4-butylphenyl)-2-pyrimidinyl]benzonitrile, 4-(5-heptyl-2-pyrimidinyl)benzonitrile, 4''-(octyloxy)[1,1'-biphenyl]-4-carbonitrile, 4''-(pentyloxy)[1,1'-biphenyl]-4-carbonitrile and 4-(5-pentyl-2-pyrimidinyl)benzonitrile (78590-92-8)
Ro TN 570
 See *[1,1',4',1''-Terphenyl]-4-carbonitrile, 4''-pentyl-*, mixt. with 4''-heptyl[1,1'-biphenyl]-4-carbonitrile, 4''-(octyloxy)[1,1'-biphenyl]-4-carbonitrile and 4''-pentyl[1,1'-biphenyl]-4-carbonitrile (63748-28-7)
Ro TN 615
 See *[1,1',4',1''-Terphenyl]-4-carbonitrile, 4''-pentyl-*, mixt. with 4''-hexyl[1,1'-biphenyl]-4-carbonitrile, 4''-octyl[1,1'-biphenyl]-4-carbonitrile, 4''-(pentyloxy)[1,1'-biphenyl]-4-carbonitrile and 4''-propoxy[1,1'-biphenyl]-4-carbonitrile (82028-98-6)
Ro TN 7334
 See *Benzonitrile, 4-[5-(4-butylphenyl)-2-pyrimidinyl]-* (63617-61-8)
Roton
 See also related:
Molecular rotation
Superfluids
Vortex (superfluids)
Rotaxamine
 See *Ethanamine, 2-(S)-[4-(chlorophenyl)-2-pyridinylmethoxy]-N,N-dimethyl-* (5560-77-0)
Rotproofing
Rotenstone
 See also related:
Limestone
Siliceous earths
Triplot
Rotlerin
 See *2-Propen-1-one, 1-[6-[(3-acetyl-2,4,6-trihydroxy-5-methylphenyl)methyl]-5,7-dihydroxy-2,2-dimethyl-2H-1-benzopyran-8-yl]-3-phenyl-*, (2E) (82-08-6)
Rotnestol
 See *2H-Pyran-2,4-diol, 6-(6,8-dimethyl-2,4,8,12-tridecatetraenyl)tetrahydro-2,3-dimethyl-* (170557-39-8)
Rotundanic acid
 See *Urs-12-en-28-oic acid, 19,23-dihydroxy-3-oxo-*, (4α) (173357-19-2)
Rotundarin
 See *2,5,9-Phenanthrenetriol, 9,10-dihydro-4-methoxy-* (144506-16-1)
Rotundic acid A
 See *Kaur-16-en-20-oic acid, 15-hydroxy-*, (15β) (188437-36-7)
Rotundic acid B
 See *Kaur-16-en-20-oic acid, 15-(acetyloxy)-*, (15β) (188437-38-9)
Rotundic acid C
 See *Kaur-16-en-20-oic acid, 9-hydroxy-* (188437-39-0)
Rotundene
 See *4,7-Ethanoazulene, 1,2,3,4a,7,8,8a-octahydro-1,4,6-trimethyl-* (65128-08-7)
Rotundenol
 See *4,7-Ethanoazulene-5-ol, decahydro-1,4-*

- dimethyl-6-methylene-* (65128-09-8)
Rotundil
 See *2-Cyclopentene-1-acetaldehyde, 2-formyl-3-methyl-*, (1R) (64274-27-7)
Rotundic acid
 See *Urs-12-en-28-oic acid, 3,19,23-trihydroxy-*, (3β,4α) (20137-37-6)
Rotundifoline
 See *Spiro[3H-indole-3,1'(5'H)-indolizine]-7'-acetic acid, 6'-ethenyl-1,2,3',6',7',8',8'a-octahydro-4-hydroxy-α-(methoxymethylene)-2-oxo-*, methyl ester, (αE,1'S,6'R,7'S,8aS) (55872-09-8)
Rotundifolic acid
 See *Dammara-20,24-dien-28-oic acid, 16-(α-L-arabinofuranosyloxy)-3-hydroxy-*, (3β,4α,16α) (169626-48-6)
Rotundifoline
 See *Spiro[3H-indole-3,1'(5'H)-indolizine]-7'-acetic acid, 6'-ethyl-1,2,3',6',7',8',8'a-octahydro-4-hydroxy-α-(methoxymethylene)-2-oxo-*, methyl ester, (αE,1'S,6'R,7'S,8aS) (6883-25-6)
Rotundifoline
 See *7-Oxabicyclo[4.1.0]heptan-2-one, 6-methyl-3-(1,2-tetrahydro-3,8-dimethoxy-13-methyl-, (5S))* (3564-96-3)
Rotundifuran
 See *1,4-Naphthalenediol, 1-[2-(3-furanyl)ethyl]decahydro-2,5,5,8a-tetrahydro-1,4-acetate, (1R,2R,4R,4aS,8aS)-* (150656-66-0)
Rotundin
 See *2-Butenoic acid, 2-methyl-*, (1aS,3S,4Z,5aR,8aR,9R,10aS)-10a-(acetoxymethyl)-1a,2,3,5a,7,8,9a,10,10a-decahydro-3-hydroxy-4-methyl-8-methylene-7-oxocyclohexa[5,6]cyclo-decal[1,2-b]furan-9-yl ester, (2Z) (82451-45-4)
Rotundine (Argemone)
 See *Dibenzof[a,e]cycloocten-5,11-imine-2,9-diol, 5,6,11,12-tetrahydro-3,8-dimethoxy-13-methyl-, (5S)* (6808-63-5)
Rotundine (Stephania)
 (-) — see *6H-Dibenzof[a,g]quinolizine, 5,8,13,13a-tetrahydro-2,3,9,10-tetramethoxy-*, (13aS) (483-14-7)
Rotundigenin A
 See *Olean-11-ene-3,16-diol, 13,28-epoxy-*, (3β,16α) (79786-12-2)
Rotundigenin B
 See *Olean-11,13(18)-diene-3,16,28-triol*, (3β,16α) (5092-14-8)
Rotundigenin C
 See *Olean-11,13(18)-diene-3,16,21,28-tetrol*, (3β,16α,21α) (79786-11-1)
Rotundigenin F
 See *Olean-9(11),12-diene-3,16,21,28-tetrol*, (3β,16α,18a,21α) (79786-10-0)
Rotundiol
 See *Urs-12-ene-23,28-dioic acid, 3,19-dihydroxy-*, (3β,4α) (123563-52-0)
Rotundiol
 See *2-Cyclopentene-1-ethanol, 2-(hydroxymethyl)-3-methyl-*, (1R) (79307-46-3)
Rotundioside A
 See *Olean-12-en-28-oic acid, 16-hydroxy-3-(sulfoxy)-*, 28-(O-β-D-glucopyranosyl)-(1-6)-O-β-D-glucopyranosyl-(1-2)-O-β-D-glucopyranosyl-(1-6)-β-D-glucopyranosyl ester, (3β,16α) (99633-17-7)
Rotundioside B
 See *Olean-12-en-28-oic acid, 3-(sulfoxy)-*, 28-(O-β-D-glucopyranosyl)-(1-6)-O-β-D-glucopyranosyl-(1-2)-O-β-D-glucopyranosyl-(1-6)-β-D-glucopyranosyl ester, (3β) (99633-18-8)
Rotundioside C
 See *Olean-12-en-28-oic acid, 3-(sulfoxy)-*, 28-(O-β-D-glucopyranosyl)-(1-6)-O-β-D-glucopyranosyl-(1-2)-O-β-D-glucopyranosyl ester, (3β) (99633-19-9)
Rotundioside D
 See *β-D-Glucopyranoside, (3β,16α)-16,28-dihydroxyolean-12-en-3-yl*
 O-6-deoxy-α-L-mannopyranosyl-(1-2)-O-β-D-glucopyranosyl-(1-2)-O-β-D-glucopyranosyl ester, (3β) (100665-38-1)
Rotundioside E
 See *β-D-Galactopyranoside, (3β,16α)-16,28-dihydroxyolean-11,13(18)-dien-3-yl*
 O-6-deoxy-α-L-mannopyranosyl-(1-2)-O-β-D-glucopyranosyl-(1-2)-6-deoxy- (73548-39-7)
Rotundioside F
 See *β-D-Galactopyranoside, (3β,16α)-13,28-epoxy-16-hydroxyolean-11-en-3-yl*
 O-6-deoxy-α-L-mannopyranosyl-(1-2)-O-β-D-glucopyranosyl-(1-2)-6-deoxy- (73542-81-1)
Rotundioside G
 See *β-D-Galactopyranoside, (3β,16α)-13,28-epoxy-16-hydroxyolean-11-en-3-yl*
 O-β-D-xylopyranosyl-(1-2)-O-β-D-glucopyranosyl-(1-2)-6-deoxy- (100665-39-2)
Rotundiquinone
 See *[2,2'-Binaphthalene]-1,1',4,4'-tetrone, 5,8'-dihydroxy-6',7'-dimethyl-* (13120-71-3)
Rotundiside
 See *4H-1-Benzopyran-4-one, 7-[(6-O-β-L-arabinopyranosyl-β-D-glucopyranosyloxy)-2-(3,4-dihydroxyphenyl)-5-hydroxy-* (80324-88-5)
Rotundone
 (-) — see *1(2H)-Azulene, 3,4,5,6,7,8-hexahydro-3,8-dimethyl-5-(1-methylethenyl)-*, (3S,5R,8S) (18374-76-0)
 —, dihydro-
 (-) — see *1(2H)-Azulene, 3,4,5,6,7,8-hexahydro-3,8-dimethyl-5-(1-methylethenyl)-*, (3S,5R,8S) (18374-77-1)